Wathsala Vishwajith

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in wathsala-vishwajith ○ wathsala-vishwajith
🔗 Profile 🔗 Blog
☼ Off-Grid Enthusiast

About

I have experience with many aspects of software engineering, but back-end development is my one true love. I convert my weaknesses into productivity, the same way laziness drives me to make a task as easy as possible, utilizing the power of a language.

I am a man of many interests, securing web applications - or breaking them - for fun, while being a time-travel-fiction nerd (who doesn't want to turn back time right?)

Education

BSc (Hons) | *Computer Science*   Mar. 2019 – May. 2024
University of Colombo School of Computing
GPA: 3.68   Col. 7, Sri Lanka

- **Research:** *Consensus Based Cooperative Localization on Untrusted Devices* - Blockchain, Bluetooth and Nearby Communication technologies, Distributed Systems, Localization, Proof-of-Location, Proof-of-Delivery.

Advanced Level | *Physical Science*   Mar. 2009 – Aug. 2017
Royal College   Col.7, Sri Lanka

- Air-Force Cadet. Participated in Hermann Loos Championship preliminary selections at Diyathalawa.
- Senior Member at ICT Society. Participated in various inter-school ICT competitions.

Work Experience

Intern Information Security Engineer/Cyber Security Analyst   Nov 2022 – Present
                                                                 https://bugzero.io/
BugZero.io

- Knowledge Sharing Session on MITRE ATT&CK Framework, Organized and presented in awareness sessions about cyber-security and bug hunting for undergraduates and high-school students.
- Tested the security of in-house applications by deploying them on Google Cloud Platform.
- Assisted in creating datasets for Large Language Models (LLM) for analyzing threat reports.

Projects

qr-file-exfil | *: React, QR Code Spec.*   2023
Personal Project

- Method of ex-filtrating data over a restricted device.

- Tries to keep minimum auditable logs and forensic traces.

CryptoZombies | *: Solidarity*   2023
Personal Project

- Following along the course of CryptoZombies

HackerNews | *: React, Algolia REST Api*   2023
Personal Project

- Clean interface for browsing the HackerNews
- Uses Algolia API to fetch the latest stories and comments.

miCar | *:React, React-Native, Firebase, Google Maps API*   2022
UCSC

- A application for all of your vehicle needs. Gathers data in the palm of your hand. Sends reminders for important dates.

Grocery Galleria | *:MVC, REST, PWA, Google Maps API*   2021
UCSC

- Developed a PHP application from scratch using MVC architecture. Grocery Galleria is an e-commerce platform for small/mid-scale entrepreneurs to have online exposure. The idea was to give the customers the same experience that they have when they are shopping traditionally. Customers can see the selected shops from their region, order from multiple shops, and deliver those orders by a single rider.

CLUBS AND SOCIETIES

President | *: From being a member as a fresh undergrad*   Jun 2020 - Present
Ongoing Projects: ISACA Student Group of UCSC

- Introductory Capture-the-flag competition for fresh undergraduates (held Dec. 23th, 2023)
- Monthly meetups for sharing knowledge in Security and related topics. (Ongoing)
- Inter-University CTF Competition, one of the biggest CTF competitions in Srilanka (Work In Progress)
- Founded the University CTF team for international and local competitions. They have successfully participated in the HacktheBox University CTF twice and have great potential to win future ones.

CERTIFICATIONS

- IBM **edX Verified Blockchain Essentials Professional** Certification

- WSO2 **Linux Systems Administration and DevOps Engineering Training Program by WSO2** : Six month program on Linux System administration and DevOps. Got hands-on experience with Linux in a cloud environment and using deployment methods such as automated deployment using Ansible and Terraform.

- **Introduction to Quantum Computing Course 2020/2021** : Year long program on foundational understanding of quantum computing, including basic linear algebra, quantum mechanics, quantum computation and information, and quantum algorithms. Each week students participate in three activities: a 1.5 hour lecture, a 1-hour lab with a Teaching Assistant, and a homework assignment.

- WSO2 **WSO2 Certified Identity Server Practitioner - V5** Certification

- WSO2 **WSO2 Certified API Manager Practitioner - V4** Certification

- IBM **edX Verified Blockchain Essentials Professional** Certification

- Microsoft **Microsoft Certified: Azure Data Fundamentals** Certification

- Microsoft **Microsoft Certified: Azure Fundamentals** Certification

- FreeCodeCamp **Responsive Web Design** Certification

- Coursera **Cloud Architecture with Google Cloud Specialization** Certification

- Coursera **Networking in Google Cloud Specialization** Certification

- Coursera **Security in Google Cloud Platform Specialization** Certification

SKILLS

Languages: English (Fluent), Sinhala (Native)
Technical: Javascript, React, Python, PHP, MySQL, Git
Application Security: MITRE Attack, BurpSuite, OWASP Top 10, Nmap, Postman, Documentation
Cloud: GCP, Azure

REFERENCES

Ref. 1
Dr. Asanka Sayakkara   UCSC
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Ref. 2
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